CLAIMS:

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- 1. A method of filling in a parallelogram (ABCD) comprising a first vertex (A), a second vertex (B), a third vertex (C) and a fourth vertex (D), said method comprising:
- a step (10) of calculating the coordinates of the points on a first segment (AB) between the first vertex (A) and the second vertex (B),
- 5 a step (11) of calculating the coordinates of the points on a second segment (AC) between the first vertex (A) and the third vertex (C),
 - a step (12) of calculating the coordinates of the points on a third segment (BD) between the second vertex (BD) and the fourth vertex D,
- an iterative step (20) of calculating the coordinates of the points on a segment parallel to the first segment AB and included within the parallelogram ABCD.
 - 2. A method of filling in a parallelogram (ABCD) as claimed in claim 1, characterized in that said iterative step (20) of calculating the coordinates of the points on a segment parallel to the first segment (AB) also comprises a substep (21) of calculating coordinates of the points on a segment lying between a point (A_i) belonging to the second segment (AC) and a point (B_i) belonging to the third segment (BD), the points (A_i) and (B_i) being situated at the same distance from the first vertex (A) and from the second vertex (B) respectively, in a horizontal (Ax) or vertical (Ay) favored direction.
- 3. A method of filling in a parallelogram (ABCD) as claimed in claim 1, characterized in that said iterative step (20) of calculating the coordinates of a segment parallel to the first segment AB comprises a substep (22) of translating the first segment (AB) in a horizontal or vertical favored direction, intended to supply a translated segment A'_iB'_i included in the parallelogram (ABCD), and a test substep (23) intended to test whether a point (P) on the translated segment (A'_iB'_i) is included in the parallelogram ABCD.
 - 4. A method of filling in a parallelogram (ABCD) as claimed in claim 3, characterized in that said iterative step (20) of calculating the coordinates of the points on a segment parallel to the first segment (AB) also comprises:

- a substep (24) of calculating the coordinates of a projection (E) of the third vertex (C) on an extension of the first segment (AB) and parallel to the favored direction,
- a substep (25) of calculating the coordinates of the points of a segment (EA) formed by the projection (E) and the first vertex (A),
- a substep (26) of translating the segment (EA) in the favored direction, intended to supply a segment (E_iA'_i) parallel to the segment (EA),
 - a test substep (27) intended to test whether a point (P) on a segment (E_iA'_i) translated from (EA) is included in the parallelogram (ABCD).
- A method of filling in a parallelogram (ABCD) as claimed in claim 1, characterized in that said steps of calculating coordinates of the points on a segment use a mid-point algorithm.
- 6. A system for tracing and filling in a parallelogram (ABCD) for a graphics screen, intended to supply the coordinates of points included in the parallelogram from the coordinates of a first vertex (A), a second vertex (B), a third vertex (C) and a fourth vertex (D), said system comprising:
 - means (10) for calculating the coordinates of the points on a first segment between the first vertex A and the second vertex B,
- 20 means (11) for calculating the coordinates of the points on a second segment between the first vertex A and the third vertex C,
 - means (12) for calculating the coordinates of the points on a third segment BD between the second vertex B and the fourth vertex D,
- iterative means (20) for calculating the coordinates of the points on a segment parallel to the first segment AB and included within the parallelogram ABCD.
 - 7. A computer program product comprising a set of instructions which, when they are loaded into a circuit, cause the latter to implement the method as claimed in claim 1.